

REMARKS/ARGUMENTS

In accordance with paragraph numbered 1 of the Office Action, an Abstract has been provided on a separate sheet as required. Additionally, claims 1-26 have been cancelled in favor of claims 27-56.

The rejection of claims as unpatentable over Takahashi U.S. patent No. 5,041,729 and Takahashi in view of Iwanczyk U.S. patent No. 6,521,894 and Marshall U.S. patent No. 6,515,285 is respectfully traversed.

Takahashi discloses a radiation detector having a plurality of detector elements, wherein a number of detector elements is arranged in a line. The radiation detector shown includes twelve photodiodes arranged adjacent to one another in a line. As described in column 3, starting at line 5, a supporting member is bonded on the photodiode by an insulating adhesive. The supporting member is bonded to cover all of the 12 photodiodes, and an end portion of each photodiode is left exposed for wiring. The supporting member is formed of a ceramic insulator or glass epoxy, and signal lines for each element are formed on its back through a printed circuit. Further, each signal line is connected to pins for external connection. The bonding pad of each photodiode and one end of the signal line are connected through wire bonding.

The drawback of this arrangement is that merely one detector line can be formed, because the manner of wiring allows only a line arrangement of the detector elements to form one detector line. Thus, forming of a detector array is not possible.

The Takahashi document does not disclose any information regarding an arrangement of several detector lines. There is also no information in Takahashi as to how a plurality of adjacent detector lines could be wired with the supporting member.

Therefore, Takahashi does not disclose a detector array and does not describe bores in the conductor track carrier which is arranged at a distance from the detector array for guiding the bonding wires from the first connections of the detector elements through the bores in the conductor track carrier towards the side of the conductor track

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March 17, 2004

carrier facing away from the detector array. These bonding wires are connected to the conductor tracks which are formed on the surface of the conductor track carrier facing away from the detector area. Takahashi is deficient in these respects.

Further, neither U.S. 6,521,894 (Iwanczyk) nor U.S. 6,515,285 (Marshall) disclose or describe the features of claim 30. Therefore, Marshall and Iwanczyk are not relevant to the claimed invention.

Accordingly, reconsideration and allowance of the claims presently pending in the application is respectfully requested.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: Richard Besha
Richard G. Besha
Reg. No. 22,770

RGB:pfc
1100 North Glebe Road, 8th Floor
Arlington, VA 22201-4714
Telephone: (703) 816-4000
Facsimile: (703) 816-4100